

Name: Mr. Illa Pavan Kumar

Designation: Assistant Professor

Department: Information Technology

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AICTE ID: 1-2911278437

Date of Birth: 23<sup>rd</sup> JUNE 1988



Experience (in years):                      Teaching: 10(Research: 5)                      Others (if any, specify)

1. Educational / Technical qualifications:

S.No	Level (UG / PG / Ph.D)	Year of passing	Specialization
1	UG(B.Tech)	2010	CSE
2	PG(M.Tech)	2012	CSE
3	Ph.D(Pursuing)	Registered in 2020	CSE

2. Teaching and Learning:

2.1. Teaching Interests:

- Python Programming
- Deep Learning
- Machine Learning
- Data Analytics
- C Programming
- Linux Programming
- Theory of Computation
- Discrete Mathematics
- Compiler Design
- Data Structures & Algorithms

2.2 Novel Teaching & Learning Techniques adopted:

- WIT and WIL
- Chalk & talk
- Explore concept

2.3 Involvement in curriculum updating / Design:NA

3. Co-curricular and Extra-Curricular Activities

3.1. Interests and Hobbies:

- Browsing internet
- Reading Books
- Playing cricket

3.2. CCA/ECA Organized:NA

3.3. CCA/ECA participated:NA

3.4. Counseling and Mentoring Activity:

- Counsels and motivates students allotted to me

3.5. Committees involved in:

- Member in T&P Committee
- Department Faculty incharge for MATLAB S/W.

4. Conference / Workshop / Seminar / Guest Lectures :

4.1 Conducted:

- Conducted (Convener) 3-Day National workshop on “Recent Trends in Image & Video Processing” under TEQIP II during 20<sup>th</sup> to 22<sup>nd</sup> March 2017 .
- Resource Person for the Python Programming certification offered from 12/12/2017 to 18/12/2017 by CSE department VNR VJIET.

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4.2 Attended

- 2-Day workshop Big Data & Hadoop at VNR VJIET
- Seminar on Cloud Computing at K L University
- Workshop on Android at K L University
- One week FDP on Sensor Networks and Internet on things organized by E & ICT Academy, NIT Warangal.
- Workshop on "Teaching & Evaluating for the 21st Century" organized by IIT Hyderabad Teaching Learning center at VNR VJIET
- One week FDP on Data Analytics with R organized by E & ICT Academy, NIT Warangal
- Two Week FDP on Foundation Program in ICT for Education Conducted by IIT Bombay.
- Two Week FDP on Pedagogy for online and Blended Teaching-Learning Process Conducted by IIT Bombay.
- 1-week NPTEL-AICTE FDP on Block-chain Architecture Design and Use cases October 2018.
- 1 Day workshop on Effective Mentoring in NPTEL online Courses at IIT Madras on 18/1/2019.
- Two-week FDP on Mentoring Educators in Education Technology conducted by IIT Bombay from 17/5/2018 to 5/7/2018
- 1 week FDP on Deep-learning and its application by AICTE-ATAL, IIIT-Naya raypur, from 4/5/2020 to 8/5/2020

- 5-day Workshop on python for Data science by leadingindia.ai ,Bennett University from 13/5/2020 to 17/5/2020
- Attended 6-days QIP sponsored STTP on Fundamentals of Deep Learning: Dive into Deep Learning from 14/3/2022 to 23/3/2022 organized by IIIT Nagpur.

#### 4.3 Guest Lectures Delivered

Guest Lecture topic	Institute & Event	Month & year
Python Programming & Applications	one week FDP on Multi technology, organized by DG Vaishnav College,Chennai	Dec,2021
Advanced Java	Guest lecture Program organized by <b>Mar Gregorios</b> College,Chennai	Dec,2021

#### 4.4.Certifications

- NVIDIA: Fundamentals of Deep Learning
- IBM Deep Learning Professional Certificate Program (5 Courses) – edX
- Architecting with Google Compute Engine Specialization – Coursera
- IBM Analyzing Data with Python – edX
- Using Python for Research -edx
- IBM Machine learning with Python: A practical Introduction – edX
- Statistics for Data Analysis Using R – Udemy
- Getting Started with AWS Machine Learning – Coursera
- Programming Data structures & Algorithms using Python - NPTEL

### 5. Academic Contribution and Research & Consultancy:

5.1. Invited Lectures: NA

5.2. Articles/Chapter published in Books: NA

5.3. Books published as single author or editor: 1

Book Title: Building Scalable Architectures for Web Applications in Cloud

ISBN: 978-3-659-87777-3

Publisher: LAP –Lambert Academic Publishing, Germany

5.4. Projects Guided:

a) UG: 15

b) PG: 2

5.5. Research Interests: Machine Learning/Deep Learning

5.6. Ph. D students :

- a) Enrolled: NA
- b) Submitted:NA
- c) Awarded:NA

5.7. Papers published in reviewed journals:

S.No	Title of the Paper	Journal Name Vol.No. PP	ISBN/ISSN No.	Impact Factor/ Citation Index	National/ International
1	A Design of Disease Diagnosis based Smart Healthcare Model using Deep Learning Technique	2022 International Conference on Electronics and Renewable Systems (ICEARS) IEEE Xplore	ISBN:978-1-6654-8425-1	Scopus	International
2	Stock price prediction methodology using random forest algorithm and support vector machine	Materials Today: Proceedings	ISSN: 2214-7853	Scopus	International
3	Deep Learning Methods for Lung Cancer Nodule Classification: A Survey	Journal of Mobile Multimedia:Volume 18,issue2: Enabling AI Technologies Towards Multimedia Data Analytics for Smart Healthcare	ISSN:1550-4646	Scopus	International
4	Dominant Color Palette Extraction by K-Means Clustering Algorithm and Reconstruction of Image	Springer-Advances in Intelligent Systems and Computing (2020) CONFERENCE PROCEEDINGS	978-981-15-1097-7	Scopus	International

5	Server Security in Cloud Computing Using Block-Chaining Technique	Springer-Advances in Intelligent Systems and Computing (2020) CONFERENCE PROCEEDINGS	978-981-15-1097-7	Scopus	International
6	Content based apparel recommendation system for fashion industry	International Journal of Engineering and Advanced Technology (IJEAT)	ISSN: 2249 – 8958, Volume-8 Issue-6,	Scopus	International
7	Automated smart product information management through smart trolley	International Journal of Mechanical and Production Engineering Research and Development	2249-8001	Scopus	International
8	Building Highly-available, Scalable, and Reliable Architectures for Web-applications includ	International Journal of Computer Application (IJCA), ISSUE2, and VOLUME 3 (JUNE 2012)	ISSN: 2250-1797	Google Scholar	International
9	Enterprise Cloud Migration: A Phase Driven Step-by-Step-Strategy intended for Scalability, Elasticity, Agility and Reliability	International Journal of Computer Application (IJCA), ISSUE2, and VOLUME 2 (JUNE 2012)	ISSN: 2250-1797	Google Scholar	International
10	Web Hosting in the Cloud: Key Considerations for the Deployment of web Applications to attain High-availability, Scalability and Reliability in the Cloud	International Journal of Advanced Scientific Research and Technology (IJAST), ISSUE 2, VOLUME 1	ISSN: 2249-9954.	Google Scholar	International
11	A Generalized Framework for Building Scalable Load Balancing	(IJCSIT) International Journal of Computer Science and Information Technologies, Vol. 3 (1),	3015 – 3021	Google Scholar	International

	Architectures in the Cloud				
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5.8. Papers presented at National / International Journals :

S.No	Title of the Paper	Names of the Conference/ Seminars	National/ International	Period
1				
2				

5.9. Sponsored research Projects:

S.No	Title	Agency	Period	Grant amount	Ongoing / Completed

5.10 Consultancy Projects:

S.No	Title	Agency	Period	Sanctioned Amount	Ongoing / Completed

6. Awards / Honors received:

1. Received top performing mentor award of appreciation for following npTEL courses from IIT Madras.
  - Joy of computing Using Python
  - Discrete mathematics
2. Received Faculty Excellence award for " Excellence in Caring For Students Career" from Ed & ImmiGo in September 2021

Motto: Don't be Busy. Just be Productive.